

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

DECLARATION FOR PATENT APPLICATION

1581/00212

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Method of Scattering Fine Particles, Method of Manufacturing Liquid Crystal Display, Apparatus for Scattering Fine Particles, and Liquid Crystal Display

the specification of which: (check one)

☐ is attached hereto. ☒ was filed on March 3, 1999, as United States Patent Application Serial No. or PCT International Application Number PCT/IP99/01021, and was amended on 19 (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 CFR § 1.56(a).

Prior Foreign Application(s): I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate listed below, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

			Priority Claimed	
<u>10/50748</u>	<u>Japan</u>	<u>3/March/1998</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Application No.)	(Country)	(Day/Month/Year Filed)	YES	NO
<u>10/85401</u>	<u>Japan</u>	<u>31/March/1998</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Application No.)	(Country)	(Day/Month/Year Filed)	YES	NO
<u>10/86620</u>	<u>Japan</u>	<u>31/March/1998</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Application No.)	(Country)	(Day/Month/Year Filed)	YES	NO
<u>10/317722</u>	<u>Japan</u>	<u>9/November/1998</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Application No.)	(Country)	(Day/Month/Year Filed)	YES	NO
<u>10/356738</u>	<u>Japan</u>	<u>15/December/1998</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Application No.)	(Country)	(Day/Month/Year Filed)	YES	NO

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below or 34 U.S.C. § 365(c) of any PCT International Application designating the United States of America listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT application in the manner provided by 35 U.S.C. § 112, first paragraph, I acknowledge the duty to disclose material information as defined in 37 CFR § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

I hereby appoint George Vande Sande, Registration No. 17,276; Burton A. Amernick, Registration No. 24,852; Richard Wiener, Registration No. 18,741; Townsend M. Belser, Jr., Registration No. 22,956; Morris Liss, Registration No. 24,510; Martin Abramson, Registration No. 25,787; George R. Pettit, Registration No. 27,369; Elzbieta Chlopecka, Registration No. 32,767; Eric J. Franklin, Registration No. 37,134; and William E. Curry, Registration No. 43,572, my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Send Correspondence and Direct Telephone Calls to:
Burton A. Amernick
(202) 331-7111

Burton A. Amernick
Pollock, Vande Sande & Amernick, R.L.L.P.
P.O. Box 19088
Washington, D.C. 20036-3425 U.S.A.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Kazuya Yoshimura

Inventor's Signature

Residence Address

Citizenship

Post Office Address

[XX] See next page for additional inventors

Kazuya Yoshimura Date OCT. 12. 2000
c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan

JapanSame as above

DECLARATION FOR PATENT APPLICATION

Page 2

Full name of second joint inventor (if any) Makoto Nakahara

Inventor's Signature

Makoto Nakahara

Date

OCT. 12. 2000

Residence Address

c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan

Citizenship

Japan

Post Office Address

Same as aboveFull name of third joint inventor (if any) Takatoshi Kira

Inventor's Signature

Takatoshi Kira

Date

OCT. 12. 2000

Residence Address

c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan

Citizenship

Japan

Post Office Address

Same as aboveFull name of fourth joint inventor (if any) Daisuke Ikesugi

Inventor's Signature

Daisuke Ikesugi

Date

OCT. 12. 2000

Residence Address

c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan

Citizenship

Japan

Post Office Address

Same as aboveFull name of fifth joint inventor (if any) Akihiko Tateno

Inventor's Signature

Date

Residence Address

208 Ekuseri Katsura, 3, Kawashimahigashidaicho, Nishikyo-ku, Kyoto-shi, Kyoto 615-8101 Japan

Citizenship

Japan

Post Office Address

Same as aboveFull name of sixth joint inventor (if any) Hiroyuki Nakatani

Inventor's Signature

Date

Residence Address

412 Alta Mira Goshu, 196, Otakicho, Shinmachidori Marutamachikudaru, Nakagyo-ku, Kyoto-shi, Kyoto 604-0092 Japan

Citizenship

Japan

Post Office Address

Same as aboveFull name of seventh joint inventor (if any) Masaki Ban

Inventor's Signature

Date

Residence Address

c/o Nisshin Flour Milling Co., Ltd., Technical Research Laboratories, 3-1, Tsurugaoka 5-chome, Ohimachi, Iruma-gun, Saitama 356-0045 Japan

Citizenship

Japan

Post Office Address

Same as above

DECLARATION FOR PATENT APPLICATION

Page 3

Full name of eighth joint inventor (if any) Hiroshi Murata

Inventor's Signature

Date

Residence Address

c/o Nisshin Engineering Co., Ltd., 14-1, Koamicho, Nihonbashi,
Chuo-ku, Tokyo 103-8544 Japan

Citizenship

Japan

Post Office Address

Same as aboveFull name of ninth joint inventor (if any) Masaaki Kubo

Inventor's Signature

Date

Residence Address

c/o Nisshin Engineering Co., Ltd., 14-1, Koamicho, Nihonbashi,
Chuo-ku, Tokyo 103-8544 Japan

Citizenship

Japan

Post Office Address

Same as above

DECLARATION FOR PATENT APPLICATION

1581/00212

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Method of Scattering Fine Particles, Method of Manufacturing Liquid Crystal Display, Apparatus for Scattering Fine Particles, and Liquid Crystal Display

the specification of which: (check one)

☐ is attached hereto. ☒ was filed on March 3, 1999, as United States Patent Application Serial No. or PCT International Application Number PCT/IP99/01021, and was amended on 19 (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 CFR § 1.56(a).

Prior Foreign Application(s): I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate listed below, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

			Priority Claimed	
10/50748	Japan	31/March/1998	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Application No.)	(Country)	(Day/Month/Year Filed)	YES	NO
10/85401	Japan	31/March/1998	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Application No.)	(Country)	(Day/Month/Year Filed)	YES	NO
10/86620	Japan	31/March/1998	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Application No.)	(Country)	(Day/Month/Year Filed)	YES	NO
10/317722	Japan	9/November/1998	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Application No.)	(Country)	(Day/Month/Year Filed)	YES	NO
10/356738	Japan	15/December/1998	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Application No.)	(Country)	(Day/Month/Year Filed)	YES	NO

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below or 34 U.S.C. § 365(c) of any PCT International Application designating the United States of America listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT application in the manner provided by 35 U.S.C. § 112, first paragraph, I acknowledge the duty to disclose material information as defined in 37 CFR § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

I hereby appoint George Vande Sande, Registration No. 17,276; Burton A. Amernick, Registration No. 24,852; Richard Wiener, Registration No. 18,741; Townsend M. Belser, Jr., Registration No. 22,956; Morris Liss, Registration No. 24,510; Martin Abramson, Registration No. 25,787; George R. Pettit, Registration No. 27,369; Elzbieta Chlopecka, Registration No. 32,767; Eric J. Franklin, Registration No. 37,134; and William E. Curry, Registration No. 43,572, my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Send Correspondence and Direct Telephone Calls to:
Burton A. Amernick
(202) 331-7111

Burton A. Amernick
Pollock, Vande Sande & Amernick, R.L.L.P.
P.O. Box 19088
Washington, D.C. 20036-3425 U.S.A.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Kazuya Yoshimura

Inventor's Signature

Date

Residence Address

c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan

Citizenship

Japan

Post Office Address

Same as above

[XX] See next page for additional inventors

DECLARATION FOR PATENT APPLICATION

Page 2

Full name of second joint inventor (if any) Makoto Nakahara

Inventor's Signature

Date

Residence Address

c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan

Citizenship

Japan

Post Office Address

Same as aboveFull name of third joint inventor (if any) Takatoshi Kira

Inventor's Signature

Date

Residence Address

c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan

Citizenship

Japan

Post Office Address

Same as aboveFull name of fourth joint inventor (if any) Daisuke Ikesugi

Inventor's Signature

Date

Residence Address

c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan

Citizenship

Japan

Post Office Address

Same as aboveFull name of fifth joint inventor (if any) Akihiko Tateno

Inventor's Signature

Date

Residence Address

Akihiko Tateno OCT. 12. 2000
208 Ekuseri Katsura, 3, Kawashimahigashidaicho, Nishikyo-ku, Kyoto-shi, Kyoto 615-8101 Japan

Citizenship

Japan

Post Office Address

Same as aboveFull name of sixth joint inventor (if any) Hiroyuki Nakatani

Inventor's Signature

Date

Residence Address

Hiroyuki Nakatani OCT. 12. 2000
412 Alta Mira Goshu, 196, Otakicho, Shinmachidori Marutamachikudaru, Nakagyo-ku, Kyoto-shi, Kyoto 604-0092 Japan

Citizenship

Japan

Post Office Address

Same as aboveFull name of seventh joint inventor (if any) Masaki Ban

Inventor's Signature

Date

Residence Address

c/o Nisshin Flour Milling Co., Ltd., Technical Research Laboratories, 3-1, Tsurugaoka 5-chome, Ohimachi, Iruma-gun, Saitama 356-0045 Japan

Citizenship

Japan

Post Office Address

Same as above

DECLARATION FOR PATENT APPLICATION

Page 3

Full name of eighth joint inventor (if any) Hiroshi Murata

Inventor's Signature

Date

Residence Address

c/o Nisshin Engineering Co., Ltd., 14-1, Koamicho, Nihonbashi,
Chuo-ku, Tokyo 103-8544 Japan

Citizenship

Japan

Post Office Address

Same as aboveFull name of ninth joint inventor (if any) Masaaki Kubo

Inventor's Signature

Date

Residence Address

c/o Nisshin Engineering Co., Ltd., 14-1, Koamicho, Nihonbashi,
Chuo-ku, Tokyo 103-8544 Japan

Citizenship

Japan

Post Office Address

Same as above

DECLARATION FOR PATENT APPLICATION

1581/00212

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Method of Scattering Fine Particles, Method of Manufacturing Liquid Crystal Display, Apparatus for Scattering Fine Particles, and Liquid Crystal Display

the specification of which: (check one)

☐ is attached hereto. ☒ was filed on March 3, 1999, as United States Patent Application Serial No. or PCT International Application Number PCT/IP99/01021, and was amended on 19 (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 CFR § 1.56(a).

Prior Foreign Application(s): I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate listed below, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

			Priority Claimed	
<u>10/50748</u>	<u>Japan</u>	<u>3/March/1998</u>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
(Application No.)	(Country)	(Day/Month/Year Filed)		
<u>10/85401</u>	<u>Japan</u>	<u>31/March/1998</u>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
(Application No.)	(Country)	(Day/Month/Year Filed)		
<u>10/86620</u>	<u>Japan</u>	<u>31/March/1998</u>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
(Application No.)	(Country)	(Day/Month/Year Filed)		
<u>10/317722</u>	<u>Japan</u>	<u>9/November/1998</u>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
(Application No.)	(Country)	(Day/Month/Year Filed)		
<u>10/356738</u>	<u>Japan</u>	<u>15/December/1998</u>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
(Application No.)	(Country)	(Day/Month/Year Filed)		

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below or 34 U.S.C. § 365(c) of any PCT International Application designating the United States of America listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT application in the manner provided by 35 U.S.C. § 112, first paragraph, I acknowledge the duty to disclose material information as defined in 37 CFR § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

I hereby appoint George Vande Sande, Registration No. 17,276; Burton A. Amernick, Registration No. 24,852; Richard Wiener, Registration No. 18,741; Townsend M. Belser, Jr., Registration No. 22,956; Morris Liss, Registration No. 24,510; Martin Abramson, Registration No. 25,787; George R. Pettit, Registration No. 27,369; Elzbieta Chlopecka, Registration No. 32,767; Eric J. Franklin, Registration No. 37,134; and William E. Curry, Registration No. 43,572, my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Send Correspondence and Direct Telephone Calls to:

Burton A. Amernick
(202) 331-7111

Burton A. Amernick
Pollock, Vande Sande & Amernick, R.L.L.P.
P.O. Box 19088
Washington, D.C. 20036-3425 U.S.A.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Kazuya Yoshimura

Inventor's Signature

Date

Residence Address

c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan

Citizenship

Japan

Post Office Address

Same as above

[XX] See next page for additional inventors

DECLARATION FOR PATENT APPLICATION

Page 2

Full name of second joint inventor (if any) Makoto Nakahara

Inventor's Signature _____ Date _____
 Residence Address c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka-
shi, Osaka 545-8522 Japan
 Citizenship Japan
 Post Office Address Same as above

Full name of third joint inventor (if any) Takatoshi Kira

Inventor's Signature _____ Date _____
 Residence Address c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka-
shi, Osaka 545-8522 Japan
 Citizenship Japan
 Post Office Address Same as above

Full name of fourth joint inventor (if any) Daisuke Ikesugi

Inventor's Signature _____ Date _____
 Residence Address c/o Sharp Kabushiki Kaisha, 22-22, Nagaike-cho, Abeno-ku, Osaka-
shi, Osaka 545-8522 Japan
 Citizenship Japan
 Post Office Address Same as above

Full name of fifth joint inventor (if any) Akihiko Tateno

Inventor's Signature _____ Date _____
 Residence Address 208 Ekuseri Katsura, 3, Kawashimahigashidaicho, Nishikyo-ku, Kyoto-
shi, Kyoto 615-8101 Japan
 Citizenship Japan
 Post Office Address Same as above

Full name of sixth joint inventor (if any) Hiroyuki Nakatani

Inventor's Signature _____ Date _____
 Residence Address 412 Alta Mira Goshu, 196, Otakicho, Shinmachidori
Marutamachikudaru, Nakagyo-ku, Kyoto-shi, Kyoto 604-0092 Japan
 Citizenship Japan
 Post Office Address Same as above

Full name of seventh joint inventor (if any) Masaki Ban

Inventor's Signature (4) Masaki Ban Date OCT. 12. 2000
 Residence Address c/o Nisshin Flour Milling Co., Ltd., Technical Research
Laboratories, 3-1, Tsurugaoka 5-chome, Ohimachi, Iruma-gun, Saitama
356-0045 Japan
 Citizenship Japan
 Post Office Address Same as above

DECLARATION FOR PATENT APPLICATION
Page 3

Full name of eighth joint inventor (if any) Hiroshi Murata

Inventor's Signature

Residence Address

Citizenship

Post Office Address

Hiroshi Murata Date OCT. 12. 2000
c/o Nisshin Engineering Co., Ltd., 14-1, Koamicho, Nihonbashi,
Chuo-ku, Tokyo 103-8544 Japan
Japan
Same as above

Full name of ninth joint inventor (if any) Masaaki Kubo

Inventor's Signature

Residence Address

Citizenship

Post Office Address

Masaaki Kubo Date OCT. 12. 2000
c/o Nisshin Engineering Co., Ltd., 14-1, Koamicho, Nihonbashi,
Chuo-ku, Tokyo 103-8544 Japan
Japan
Same as above